

Notice of Allowability**Application No.**

09/768,323

Applicant(s)

MEIRI, DAVID

Examiner

BARBARA N. BURGESS

Art Unit

2457

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERIT IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 7-27-10.
2. ☒ The allowed claim(s) is/are 1,4-9 and 34-51.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 9-8-10
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Faustino Lichauco on September 8, 2010.

IN CLAIMS

Please **AMEND** claims 1, 4, 34, 42, 49-51 without prejudice.

Amendments are shown below:

1. (Currently Amended) A method for using a computer to assist a particular data storage machine in posting a message on a message list stored in a memory, said message list being accessible to a plurality of processors, said method comprising:

receiving, at the data storage machine, from one of the plurality of processors, a message to be posted on said message list, said message having an intended recipient selected from said plurality of processors having access to said message list, wherein said message list includes messages having different intended recipients;

selecting a new-message slot from said message list accessible to said plurality of processors;

placing said message to be posted on said message list in said new-message slot; and

modifying said new-message slot to specify said intended recipient of said message, said intended recipient being selected from said plurality of processors having access to said message list; and

inserting said new-message slot into said message list, said message list including a first existing-message slot having a pointer to a second existing-message slot,

wherein inserting said new-message slot into said message list comprises setting a first pointer on said new-message slot to point to said first existing-message slot and a second pointer on said new-message slot to point to said second existing message-slot.

4. (Currently Amended) The method of claim 1 wherein inserting said new-message slot into said message list further comprises setting said pointer associated with said first existing-message slot to point to said new-message slot.

34. (Currently Amended) A method for using a computer to assist a particular data storage machine in posting a message on a message list stored in a memory, said message list being accessible to a plurality of processors, said method comprising:

receiving, at the data storage machine, from one of the plurality of processors, a message to be posted on said message list, said message having an intended recipient selected from said plurality of processors having access to said message list, wherein said message list includes messages having different intended recipients;

selecting a new-message slot from said message list accessible to said plurality of processors;

placing said message to be posted on said message list in said new-message slot; and

modifying said new-message slot to specify said intended recipient of said message, said intended recipient being selected from said plurality of processors having access to said message list,

wherein modifying said new-message slot to specify an intended recipient comprises modifying a destination mask associated with said new-message slot, said destination mask including information specifying all intended recipients of said message.

42. (Currently Amended) A method for using a computer to assist a particular data storage machine in posting a message on a message list stored in a memory, said message list being accessible to a plurality of processors, said method comprising:

receiving, at the data storage machine, from one of the plurality of processors, a message to be posted on said message list, said message having an intended recipient selected from said plurality of processors having access to said message list, wherein said message list includes messages having different intended recipients;

selecting a new-message slot from said message list accessible to said plurality of processors;

placing said message to be posted on said message list in said new-message slot;

modifying said new-message slot to specify said intended recipient of said message, said intended recipient being selected from said plurality of processors having access to said message list; and

updating a message directory to indicate the presence of said new-message slot in said message list, said message directory being accessible to said plurality of processors;

wherein updating said message directory comprises updating an attention mask containing information indicative of which processors from said plurality of processors are intended recipients of messages contained in said message list.

49. (Currently Amended) A computer system for assisting a particular data storage system in posting a message on a message list stored in a memory, said message list being accessible to a plurality of processors, said system including;

a memory having stored therein instructions for;

receiving, from one of the plurality of processors, a message to be posted on said message list, said message having an intended recipient selected from said plurality of processors having access to said message list, wherein said message list includes messages having different intended recipients;

selecting a new-message slot from said message list accessible to said plurality of processors;

placing said message to be posted on said message list in said new-message slot; and

modifying said new-message slot to specify said intended recipient of said message, said intended recipient being selected from said plurality of processors having access to said message list; and

inserting said new-message slot into said message list, said message list including a first existing-message slot having a pointer to a second existing-message slot,

wherein inserting said new-message slot into said message list comprises setting a first pointer on said new-message slot to point to said first existing-message slot and a second pointer on said new-message slot to point to said second existing message-slot; and a processor configured to execute said instructions stored in memory.

50. (Currently Amended) A computer system for assisting a particular data storage system in posting a message on a message list stored in a memory, said message list being accessible to a plurality of processors, said system comprising:

a memory having stored therein instructions for:

receiving, from one of the plurality of processors, a message to be posted on said message list, said message having an intended recipient selected from said plurality of processors having access to said message list, wherein said message list includes messages having different intended recipients;

selecting a new-message slot from said message list accessible to said plurality of processors;

placing said message to be posted on said message list in said new-message slot; and
modifying said new-message slot to specify said intended recipient of said message,
said intended recipient being selected from said plurality of processors having access to
said message list,

wherein modifying said new-message slot to specify an intended recipient comprises
modifying a destination mask associated with said new-message slot, said destination
mask including information specifying all intended recipients of said message; and
a processor configured to execute said instructions stored in memory.

51. (Currently Amended) A computer system for assisting a particular data storage
system in posting a message on a message list stored in a memory, said message list
being accessible to a plurality of processors, said system comprising:

a memory having stored therein instructions for:

receiving, from one of the plurality of processors, a message to be posted on said
message list, said message having an intended recipient selected from said plurality of
processors having access to said message list, wherein said message list includes
messages having different intended recipients;

selecting a new-message slot from said message list accessible to said plurality of
processors;

placing said message to be posted on said message list in said new-message slot;

modifying said new-message slot to specify said intended recipient of said message, said intended recipient being selected from said plurality of processors having access to said message list; and

updating a message directory to indicate the presence of said new-message slot in said message list, said message directory being accessible to said plurality of processors;

wherein updating said message directory comprises updating an attention mask containing information indicative of which processors from said plurality of processors are intended recipients of messages contained in said message list; and

a processor configured to execute said instructions stored in memory.

Allowable Subject Matter

1. Claims 1, 4-9, 34-51 are allowed in view of the cited prior art of record and the prosecution history of the instant application, from which the reasons for allowance are clear.
2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BARBARA N. BURGESS whose telephone number is (571)272-3996. The examiner can normally be reached on M-F (8:00am-4:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Barbara N Burgess
Examiner
Art Unit 2457

September 10, 2010

/Barbara N Burgess/

Examiner, Art Unit 2457